

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/002692 A2**

(51) International Patent Classification<sup>7</sup>:

A63F

(21) International Application Number:

PCT/US2004/021379

(22) International Filing Date:

1 July 2004 (01.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/484,552

2 July 2003 (02.07.2003)

US

60/484,553

2 July 2003 (02.07.2003)

US

(71) Applicant (for all designated States except US): **VG GAMES, LTD.** [GB/GB]; 92 Croxted Road, Dulwich, London SE21 8NP (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MANBER, Jeffrey** [US/US]; 519 North Alfred Street, Alexandria, VA 22314 (US).

(74) Agent: **ROSS, Otho, B.**; Muserlian, Lucas and Mercanti, LLP, 475 Park Avenue South, New York, NY 10016 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

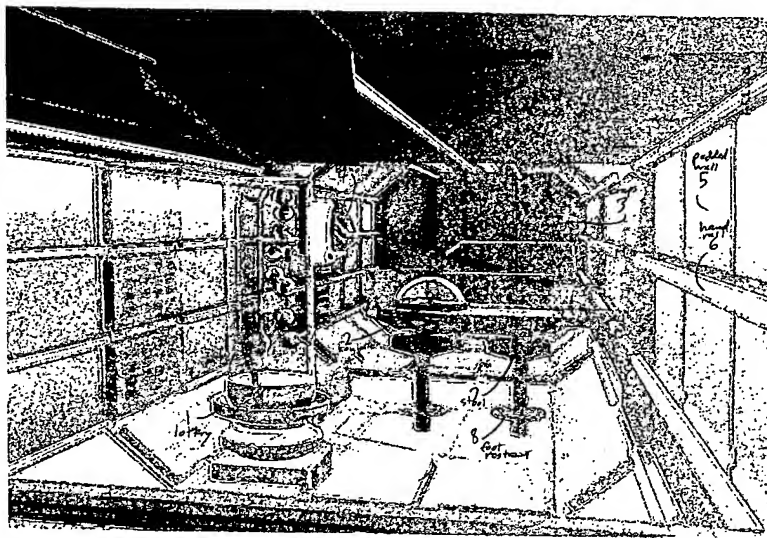
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **VARIABLE GRAVITY GAMING**



(57) Abstract: The present invention provides a means for randomizing and controlling objects in a zero gravity environment. The invention also replicates and enhances traditional casino gaming experiences in zero gravity, microgravity, low gravity and variable gravity environments. This includes adapted seating for players and staff, enabling wagering, and ensuring security and integrity of the games. Both traditional casino games, such as craps, roulette and blackjack, and new games of chance are provided and modified so as to take advantage of unique properties of zero, low or variable gravity environments. Games may be either attended or unattended, and wagering may be either on-site or off-site via remote communications. Virtual games may also be played in simulated zero gravity, low gravity and variable gravity.

BEST AVAILABLE COPY

WO 2005/002692 A2